


 (TM)

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MPSrch_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Sat May 13 08:46:40 2000; Maspar time 4.48 Seconds
 317.408 Million cell updates/sec

Tabular output: not generated.

Title: >US-09-331-631-22

Description: (25-84) from US09331631.pep

Perfect Score: 459

Sequence: 1 EDDNHHHGKSGQCVRRC.....EKROERSRHEADRSSEGSS 60

Scoring table: PAM 150

Gap 11

Searched: 188963 seqs, 23686106 residues

Post-processing: Minimum Match 0%
 Listing first 45 summaries

Database: a-geneseq35
 1:geneseqP

Statistics: Mean 24.771; Variance 107.255; scale 0.231

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	Pred. No.
1	459	100.0	593	1 W62835	zea mays antimicrobial	8.76e-34
2	180	39.2	637	1 W62837	Hordeum vulgare antim	1.10e-07
3	121	26.4	625	1 W62830	Macadamia integrifolia	1.48e-02
4	115	25.1	666	1 W62828	Macadamia integrifolia	4.68e-02
5	109	23.7	666	1 W62829	Human regulatory molec	5.49e-01
6	102	22.9	432	1 W93954	Zea mays antimalarial	1.68e+00
7	96	20.9	590	1 W62832	Tyrosine kinase associ	4.18e+00
8	91	19.8	33	1 W62836	Trypanosoma cruzi anti	6.08e+00
9	89	19.8	450	1 W46605	Mycobacterium species	7.19e+00
10	88	19.4	186	1 W62536	Human stomach carcinom	1.23e+01
11	88	19.2	388	1 Y04998	Theobroma cacao antimi	1.23e+01
12	87	19.0	355	1 W05398	Human clon 55 protein	8.61e+00
13	87	19.0	524	1 W32096	Minature swine retrov	8.61e+00
14	86	18.7	434	1 R96419	Pepptide fragment of N-	1.03e+01
15	86	18.7	567	1 W88788	Polypeptide fragment e	1.03e+01
16	86	18.7	797	1 W92641	Murine PG-1 protein.	1.03e+01
17	85	18.5	314	1 W88499	Human stomach carcinom.	2.23e+01
18	85	18.5	525	1 W62831	Theobroma cacao antimi	2.23e+01
19	85	18.5	566	1 R20181	Sequence encoded by 67	1.23e+01
20	82	17.9	660	1 P82921	B subunit of human Fac	2.10e+01
21	82	17.9	898	1 W31853	Mycobacterium tuberculosis	2.10e+01
22	81	17.6	444	1 W90340	G. max truncated SBP1	2.51e+01
23	81	17.6	1	W90339	G. max SBP1 protein.	2.51e+01

RESULT	1	standard; Protein: 593 AA.	ALIGNMENTS
ID	W62835;		
AC	W62835;		
DT	27-OCT-1998	(first entry)	
DE	zea mays antimicrobial protein.		
KW	antimicrobial protein; infestation; control.		
OS	zea mays.		
PN	W09827805-A1.		
PD	02-JUL-1998.		
PF	22-DEC-1997; AU0874.		
PA	20-DEC-1996; AU04275.		
PI	(RTR) COP RES CENT TROPICAL PLANT PATHOLOGY.		
DR	Bover NI, Goultier KC, Green JL, Manners JM, Marcus JP;		
PT	Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals		
PS	Claim 1; Page 58-60; 96PP; English.		
CC	The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian animals.		
CC	Sequence 593 AA;		
SQ	Query Match Best Local Similarity 100.0%; Score 459; DB 1; Length 593; Matches 60; Conservative 0; Indels 0; Gaps 0; Mismatches 0; OS: Hordeum vulgare.		
Db	25 EDDNHHHGKSGQCVRRCEDRPWHQRPRCLEQCREERERKQERRHEADRSSEGSS	84	
Qy	25 EDDNHHHGKSGQCVRRCEDRPWHQRPRCLEQCREERERKQERRHEADRSSEGSS	84	
RESULT	2		
ID	W09827805-A1.		
AC	W62837;		
DT	27-OCT-1998 (first entry)		
DE	Hordeum vulgare antimicrobial protein.		
KW	antimicrobial protein; infestation; control.		
OS	Hordeum vulgare.		
PN	W09827805-A1.		
PD	02-JUL-1998.		
PF	22-DEC-1997; AU0874.		
PI	20-DEC-1996; AU04275.		
DR	(RTR) COP RES CENT TROPICAL PLANT PATHOLOGY.		
PT	Bover NI, Goultier KC, Green JL, Manners JM, Marcus JP;		
PT	WPI: 98-37279/32.		
PT	Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals		

PS Claim 1; Page 60-62; 96pp; English.
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
SQ Sequence 637 AA:

	Best Local Similarity	Score	Length	DB	Length	DB
Q ₁	33.9%	1.10e-07	1	1	1	1
Q ₂	33.9%	1.10e-07	1	1	1	1
Matches	19;	Conservative	22;	Mismatches	13;	Indels
Db	30	DDEDDERGGHSLQQCVCQRCRQERPRYSHARCVQECRQDQQHCRHEQEEEQGRG	85			
Q ₁	26	DDNHRHHGGKHSQCVRRC-EDRPWHQRPCLEQCREEEREK-RQERSHEADRS	79			

PT useful for controlling microbial infestations of plants or mammals
 PS Claim 1; Page 34-36; 96pp; English.
 CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 SQ Sequence 666 AA:

Query	Match	25.1%	Score	115;	DB	1;	Length	666;
Best Local Similarity	35.7%				Prod. No.	4.69e-12;		
Matches	15;	Conservative			Mismatches	11;	Indels	
Db	182	EEDNKKRDPQOREYEDCRRCEQQEPHQH			OCLQLRCREDQRQ	222		
Qy	25	EDDNHHHHGHSQCVRCRCDR-PHQRCPLCQREEREE						65

RESULT 5
ID W52829 standard; protein; 666 AA.
AC W52829;
DE 27-Oct-1998 (first entry)
KW Macadamia integrifolia antimicrobial protein.
OS Macadamia integrifolia.
FH Key Location/Qualifiers
FT Peptide 1..28
FT /note= "signal peptide"
FT Protein 29..666
FT /note= "mature protein"
PN W99827805-A1.
PD 02-JUL-1998.
PF 22-DEC-1997; AU0874.
PR 20-DEC-1996; AU-004275.
PA (BRTR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
PI Bower NR, Goulter KC, Green JL, Manners JM, Marcus JP;
DR WPI; 98-37729/32.
DR N-PDB; V42211.
PT Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammal - claim 1; Page 39-41; 9696; English.
CC The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian animals.
CC Sequence 666 AA;

RESULT 4
ID W62828 standard; Protein; 666 AA.
AC W62828;

PR 23-SEP-1997; US-933750.
 PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
 PA (LNCY-) INCYC PHARM INC.
 PI AU-Young J, Bandman O, Guegler KJ, Hillman JL, Lal P,
 PI Shah P, Yue H;
 DR WPI: 98-3727/32.
 DR N-PDB: X24058.
 DR New human regulatory molecules
 PS Claim 1; Page 69-70; 76pp; English.
 CC This invention describes novel human regulatory molecules (HRM), which
 CC have cytostatic activity and act as immune modulators, transcription
 CC factors or enhancers. The HRMs can be used to stimulate cell
 CC proliferation. Antagonists and agonists of the proteins of the invention
 CC can be used to treat cancer. The encoding nucleic acids can be used in
 CC microarrays to detect polynucleotides (and their expression levels) that
 CC encode HRMs in a biological sample. The HRMs and microarrays can be used
 CC to diagnose, treat or prevent cell proliferation diseases especially cancer,
 CC e.g. leukemia, lymphoma, myeloma, adenocarcinoma, sarcoma, cancer of e.g.
 CC bladder, bone, brain, lung, liver, ovary, skin, etc, teratocarcinoma, or
 CC to treat or prevent immune responses e.g. allergies, asthma, diabetes,
 CC multiple sclerosis, Grave's disease or myasthenia gravis.
 SQ Sequence 432 AA;

Query Match 22.2%; Score 102; DB 1; Length 432;
 Best Local Similarity 39.5%; Pred. No. 5.4e-01; Mismatches 11; Indels 3; Gaps 3;

Matches 15; Conservative 9; Mismatches 11; Indels 3; Gaps 3;

Db 306 RRC-SRSRDHKRSRSRERRRTSRDRRSRS-HDRSER 341
 Qy 42 RRCEDRPW-HQPRCLEQECREERERK-RQERSRHEADER 78

RESULT 7
 ID W62382 standard; Protein; 590 AA.
 AC W62382;
 DT 27-OCT-1998 (first entry)
 DE Gossypium hirsutum antimicrobial protein.
 KW antimicrobial protein; infestation; control.
 OS Gossypium hirsutum.
 PN W09827605-A1.
 PD 03-JUL-1998.
 PR 22-DEC-1997; AU0874.
 PR 20-DEC-1996; AU-004275.
 PR RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
 PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
 PT useful for controlling microbial infestations of plants or mammals
 PS Claim 1; Page 49-51; 96pp; English.
 CC The sequence is that of an antimicrobial protein which can
 CC be used to control microbial infestations in plants and mammalian
 CC animals.
 SQ Sequence 590 AA:

Query Match 20.9%; Score 96; DB 1; Length 590;
 Best Local Similarity 39.5%; Pred. No. 1.6e+00; Mismatches 17; Conservative 9; Mismatches 14; Indels 3; Gaps 3;

Db 43 DCRRRCMENDTRGOKEQQQCCESSKSQNGKEKDQORHREPDPQR 85
 Qy 39 QCVRRE-D-RPHQPRCLEQECREERERK-RQERSRHEADER 78

RESULT 8
 ID W62386 standard; Protein; 33 AA.
 AC W62386;
 DT 27-OCT-1998 (first entry)
 DE Zea mays antimicrobial protein.
 KW antimicrobial protein; infestation; control.
 OS Zea mays.
 PN W09827805-A1.
 PD 03-JUL-1998.
 PR 22-DEC-1997; AU0874.
 PR 20-DEC-1996; AU-004275.

Query Match 19.8%; Score 91; DB 1; Length 33;
 Best Local Similarity 45.5%; Pred. No. 4.18e+00; Mismatches 10; Conservative 5; Mismatches 6; Indels 1; Gaps 1;

Db 10 QCLRRHEGQPW-ETQECMRRCR 30
 Qy 39 QCVRRE-D-RPHQPRCLEQECREERERK-RQERSRHEADER 78

RESULT 9
 ID W46606 standard; Protein; 450 AA.
 AC W46606;
 DT 30-JUN-1998 (first entry)
 DE Tyrosine kinase associated protein 1.
 KW tyrosine kinase associated protein-1; TKA-1; antibody;
 KW detection; binding agent; diagnosis; treatment;
 KW receptor dimerisation.
 OS Homo sapiens.
 FH Key Location/Qualifiers
 FT Protein 7..112
 FT /note= "domain repeated in 146-252 and 346-376"
 FT Protein 146..252
 FT /note= "repeated from region 7-112"
 FT Protein 346..376
 FT /note= "repeated from region 7-112"
 FT Domain 7..89
 FT /label= "GIGF-domain"
 FT /note= "Protein-protein signalling interactions"
 FT Domain 145..229
 FT /label= "GIGF-domain"
 FT /note= "Protein-protein signalling interactions"
 PN W09801551-A1.
 PD 15-JAN-1998.
 PR 16-OCT-1996; U16510.
 PR 13-JUN-1996; US-666067.
 PR 11-JUN-1996; US-665037.
 PA (PLAC) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.
 PI Seedorf L, Ulrich A;
 DR WPI: 98-101049/09.
 PT Tyrosine kinase associated protein-1 - used for the diagnosis and
 PT treatment of TKA-1 related diseases
 PS Claim 2; Fig 1; 61pp; English.
 CC The Tyrosine kinase associated protein-1 (TKA-1) contains a stretch
 CC of 106 amino acids (aa 146-252) which is duplicated within the sequence (aa 146-252) with 65% identity, and again (aa346-175) with 47% identity. A binding agent of TKA-1, able to bind to a TKA-1 polypeptide, or the full length TKA-1 protein can both be used in a method for disrupting or promoting receptor dimerization. They can also be used to identify agents capable of interfering with the interaction between them. The TKA-1 antibody can be used for the detection of TKA-1. The TKA-1 protein, antibody and binding agent can all be used in the diagnosis and treatment of TKA-1 related diseases and conditions.
 SQ Sequence 450 AA;

Query Match 19.8%; Score 91; DB 1; Length 450;
 Best Local Similarity 42.9%; Pred. No. 4.18e+00; Mismatches 15; Conservative 6; Mismatches 12; Indels 2; Gaps 2;

Db 397 WQDGRGRTQDRGRESTETERERERHRRERESE 431
 Qy 49 WQ-RPCLQECREERERK-RQERSRHEADER 81

KW provirus; organ transplant; donor; activated virus; PCR.
 OS Porcine retrovirus.
 FH Location/qualifiers
 Key 1..524
 FT /label= GAG_protein
 PN WO9721836-A1.
 PD 19-JUN-1997.
 PF 13-DEC-1996; UI:9680.
 PR 14-DEC-1995; US:572645.
 PA (GEHO) GEN HOSPITAL CORP.
 PI Fishman JA;
 DR WPI: 97-332804/30.
 DR N-PSDB; T74884.
 PT New nucleic acid from porcine retroviruses - used for detecting viruses in transplant or other tissue and for assessing risk of transmitting infection to graft recipient
 PS Claim 22; Fig 3; 128pp; English.
 CC This is a porcine retrovirus from miniature swine containing the coding region for a putative viral GAG protein. This sequence and PCR fragments generated from the sequence (see T74812-T7482) could be used to screen organs for porcine retroviruses prior to xenotransplantation.
 CC Transplantation can increase the likelihood of retroviral activation if intact and infectious proviruses are present. The porcine retroviral sequence can be used to generate probes to determine the level (e.g. copy number) of intact (i.e. potentially replicating) porcine provirus sequences in a strain of xenograft transplantation donors. It can be used to detect mutations, genetic lesions or viral recombinants and also to determine the histological localisation of activated retrovirus. Using Polymerase Chain Reaction DNA Quantitation (PQ) on blood mononuclear cells, infectivity titration and susceptibility testing can be performed. Ultimately animal donors without intact porcine retroviral sequences or a lower copy number of viral elements could be selected.
 SQ Sequence 524 AA;

Query Match 19.0%; Score 87; DB 1; Length 524;
 Best Local Similarity 61.1%; Pred. No. 8.61e+00;
 Matches 11; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Db 423 EEEERQREREREER 440
 Oy 61 EEEERQREREREER 78

RESULT 14
 ID R96419 standard; peptide; 434 AA.
 AC R96419;
 DT 11-NOV-1996 (first entry)
 DE Peptide fragment of N-type calcium channel.
 KW peptide; synaptic vesicle; presynaptic; syntaxin; synaptosome; neuronal cell death; ischaemia; stroke; epilepsy; cognitive deficit; inhibition; screening; detection; treatment; Rattus rattus.
 OS Homo sapiens.
 FH Location/qualifiers
 FT region 718..1141
 PT /note= "Claimed peptide region."
 PN WO9615149-A2.
 PD 23-MAY-1996.
 PF 09-NOV-1995; UI:4776.
 PR 10-NOV-1994; US:337602.
 PA (UNIW) UNIV WASHINGTON.
 PT Catterall WA; Sheng Z;
 DR WPI: 96-259782/26.
 PT Screening for presynaptic calcium channel blockers - identifies compounds which inhibit docking of presynaptic vesicles to calcium channels, rather than compounds which inhibit calcium influx
 PS Claim 7; Figure 1A; 53pp; English.
 CC A method of screening for compounds that inhibit the interaction between presynaptic calcium channels and presynaptic vesicles comprises contacting calcium channel-like peptide with a candidate compound under conditions sufficient to permit binding between the peptide and the candidate compound, where the peptide is able to bind syntaxisin or synaptosome associated protein, and then detecting the presence or absence of binding between the peptide and the

CC candidate compound, thereby determining whether the candidate compound bound to the peptide. The method allows for the screening of compounds which inhibit the docking of presynaptic vesicles to calcium channels and which therefore prevent neurotransmitter release by binding to a selected presynaptic calcium channel-like peptide.
 CC Isolated compounds may be used in the prevention or neuronal cell death that accompanies cerebral ischaemia. They may also be used in the treatment of stroke, cognitive deficit related to cardiac surgery and neuronal damage caused during acute epileptic episodes.
 CC This sequence corresponds to the LII-III loop (amino acids 710-1143 of the rat N-type calcium channel.
 SQ Sequence 434 AA;
 RESULT 15
 ID W88788 standard; Protein; 567 AA.
 AC W88788;
 DT 01-MAR-1999 (first entry)
 DE Polypeptide fragment encoded by gene 36.
 KW Human secreted protein; fusion gene therapy; gene therapy; diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia; developmental abnormality; foetal deficiency; blood; allergy; renal; immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma; inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS; cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus; osteoporosis; arthritis; testis; lung; thyroid; thymus; endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm; OS Homo sapiens.
 PN WO951963-A2.
 PR 10-DEC-1998.
 PR 04-JUN-1998; UI:1422.
 PR 18-DEC-1997; US:070923.
 PR 06-JUN-1997; US-048877.
 PR 06-JUN-1997; US-048881.
 PR 06-JUN-1997; US-048884.
 PR 06-JUN-1997; US-048893.
 PR 06-JUN-1997; US-048896.
 PR 06-JUN-1997; US-048899.
 PR 06-JUN-1997; US-048915.
 PR 06-JUN-1997; US-048949.
 PR 06-JUN-1997; US-048964.
 PR 06-JUN-1997; US-048972.
 PR 06-JUN-1997; US-049020.
 PR 06-JUN-1997; US-049315.
 PR 05-SEP-1997; US-057628.
 PR 05-SEP-1997; US-057635.
 PR 05-SEP-1997; US-057744.
 PR 05-SEP-1997; US-057647.
 PR 05-SEP-1997; US-057755.
 PR 05-SEP-1997; US-057778.
 PR 05-SEP-1997; US-057787.
 PR 05-SEP-1997; US-057791.
 PR 05-SEP-1997; US-057794.
 PR 05-SEP-1997; US-057770.
 PR 05-SEP-1997; US-057775.
 PR 05-SEP-1997; US-057650.
 PR 05-SEP-1997; US-057661.
 PR 05-SEP-1997; US-057667.
 PR 05-SEP-1997; US-057671.
 PR 05-SEP-1997; US-057764.
 PR 05-SEP-1997; US-057770.
 PR 05-SEP-1997; US-057775.
 PR 05-SEP-1997; US-057778.
 PR 06-JUN-1997; US-048875.
 PR 06-JUN-1997; US-048882.
 PR 06-JUN-1997; US-048885.
 PR 06-JUN-1997; US-048894.
 PR 06-JUN-1997; US-048897.
 PR 06-JUN-1997; US-048900.
 PR 06-JUN-1997; US-048916.
 PR 06-JUN-1997; US-048962.

PR 06-JUN-1997; US-048970.
 PR 06-JUN-1997; US-049373.
 PR 05-SEP-1997; US-057584.
 PR 05-SEP-1997; US-057629.
 PR 05-SEP-1997; US-057642.
 PR 05-SEP-1997; US-057645.
 PR 05-SEP-1997; US-057648.
 PR 05-SEP-1997; US-057651.
 PR 05-SEP-1997; US-057662.
 PR 05-SEP-1997; US-057668.
 PR 05-SEP-1997; US-057662.
 PR 05-SEP-1997; US-057765.
 PR 05-SEP-1997; US-057766.
 PR 06-JUN-1997; US-058876.
 PR 06-JUN-1997; US-058880.
 PR 06-JUN-1997; US-058883.
 PR 06-JUN-1997; US-058892.
 PR 06-JUN-1997; US-058895.
 PR 06-JUN-1997; US-058898.
 PR 06-JUN-1997; US-058901.
 PR 06-JUN-1997; US-058917.
 PR 06-JUN-1997; US-058963.
 PR 06-JUN-1997; US-058971.
 PR 06-JUN-1997; US-059019.
 PR 06-JUN-1997; US-059374.
 PR 05-SEP-1997; US-057627.
 PR 05-SEP-1997; US-057634.
 PR 05-SEP-1997; US-057643.
 PR 05-SEP-1997; US-057646.
 PR 05-SEP-1997; US-057649.
 PR 05-SEP-1997; US-057554.
 PR 05-SEP-1997; US-057666.
 PR 05-SEP-1997; US-057760.
 PR 05-SEP-1997; US-057763.
 PR 05-SEP-1997; US-057769.
 PR 05-SEP-1997; US-057774.
 PR 05-SEP-1997; US-057777.

PA (HUMAN) HUMAN GENOME SCI INC.
 PI Brewer LA, Carter KC, Dillon PJ, Ebner R, Endress GA,
 PI Fan P, Feng P, Farrie AM, Fischer CL, Florence C, Florence K, Greene JM, Hu J, Kyaw H, Lafleur DW,
 PI Li Y, Moore PA, Ni J, Olsen HS, Rosen CA, Ruben SM,
 PI Shi Y, Soppet DR, Wei Y, Young P, Yu G, Zeng Z;
 DR WPI: 99-059865/05.
 N-PSDB: V84446.
 PT New isolated human genes and the secreted polypeptides they encode -
 PT useful for diagnosis and treatment of e.g. cancers, neurological
 disorders, immune diseases, inflammation or blood disorders
 PS disclosure; Page 30, 772pp; English.
 CC The invention relates to nucleic acid sequences (V84411 to V84633)
 CC encoding human secreted proteins (W88334 to W88756). The secreted protein
 gene sequences are deposited with the ATCC under deposit numbers ATCC
 97919, 97974, 97975, 97976, 97977, 209007, 209008, 209009, 209010,
 CC 209011, 209080, 209081, 209082, 209083, 209084, 209085, 209511. Host
 CC cells comprising recombinant vectors containing the nucleic acid
 CC sequences are used for the recombinant production of the secreted
 CC proteins. The polynucleotide and amino acid sequences are useful for are
 CC useful for preventing, treating or ameliorating medical conditions e.g.
 CC by protein or gene therapy. Pathological conditions can be also diagnosed
 CC by determining the amount of the new polypeptides in a sample or by
 CC determining the presence of mutations in the new polynucleotides.
 CC Specific uses are described for each of the polynucleotides, based on
 CC which tissues they are most highly expressed in, and include developing
 CC products for the diagnosis or treatment of cancer, neurodegenerative
 CC disorders, developmental abnormalities and foetal deficiencies, blood
 CC diseases, tumours, leukemias, diseases of the immune system, autoimmune
 CC diseases, hepatic and renal disease, lymphomas, inflammation, allergies,
 CC ischemic shock, Alzheimer's and cognitive disorders, schizophrenia,
 CC restenosis, prostate diseases, obesity disorders involving osteoclasts,
 CC such as osteoporosis, arthritis or malignancies, diseases of testes, lung
 CC or thymus, digestive/endocrine disorders, infections and AIDS. The

CC polypeptides are also useful for identifying their binding partners.
 CC The present sequence represents a polypeptide fragment encoded by a
 CC gene of the invention (see descriptor line for gene number).
 Sequence 567 AA;

Query Match 18 %; Score 86; DB 1; Length 567;
 CC Best Local Similarity 36.8%; Pred. No. 1.03e+01;
 CC Matches 14; Conservative; 10; Mismatches 12; Indels 2; Gaps 2;
 Db 497 ERNRQLEREKRKRHSRERDRERERDRGDRDRE 534
 Qy 46 DRPH-QPRLQCREERERKQERSRDRGE 81

Search completed: Sat May 13 08:46:48 2000
 Job time : 8 secs.